

Title (en)

LENS PLATE FOR ILLUMINATION LAMP, AND ILLUMINATION LAMP

Title (de)

LINSENPLATTE FÜR EINE BELEUCHTUNGSLAMPE UND BELEUCHTUNGSLAMPE

Title (fr)

PLAQUE DE LENTILLE DESTINÉE À UNE LAMPE D'ÉCLAIRAGE ET LAMPE D'ÉCLAIRAGE

Publication

**EP 2833055 A4 20151014 (EN)**

Application

**EP 12873159 A 20120719**

Priority

- JP 2012069871 A 20120326
- JP 2012068308 W 20120719

Abstract (en)

[origin: EP2833055A1] A lens plate and an illumination lamp which are not affected by heat from a light source even if the lens plate is small. The lens plate for an illumination lamp has the lens part covering the light source, and the lens part is formed in such a way that a concentric lens pattern is separately formed on an outer central part and an inner peripheral part so as not to be overlapping.

IPC 8 full level

**F21V 5/04** (2006.01); **F21V 5/00** (2015.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)

**B60Q 1/245** (2013.01 - US); **F21V 5/045** (2013.01 - EP US); **G02B 3/08** (2013.01 - US); **F21W 2102/00** (2017.12 - US)

Citation (search report)

- [X] US 2005286145 A1 20051229 - SILHENGST FRANZ [AT], et al
- [X] EP 0509679 A2 19921021 - BRITAX VEGA LTD [GB]
- [X] US 2008253129 A1 20081016 - LIN JIAN-SHIAN [TW], et al
- See references of WO 2013145351A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2833055 A1 20150204**; **EP 2833055 A4 20151014**; CN 104145157 A 20141112; IN 1667MUN2014 A 20150529; JP 2013201075 A 20131003; JP 5980534 B2 20160831; PH 12014501768 A1 20141117; PH 12014501768 B1 20141117; US 2015009683 A1 20150108; US 9534761 B2 20170103; WO 2013145351 A1 20131003

DOCDB simple family (application)

**EP 12873159 A 20120719**; CN 201280068521 A 20120719; IN 1667MUN2014 A 20140819; JP 2012068308 W 20120719; JP 2012069871 A 20120326; PH 12014501768 A 20140806; US 201214378939 A 20120719